



U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

**INFORMATION DISCLOSURE
STATEMENT**

Docket Number
10020/26301

Application Number
10/810,853

Filing Date
March 29, 2004

Examiner
Not Yet Assigned

Art Unit
1762

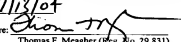
Invention Title
**METHOD AND APPARATUS FOR
DEPOSITING MATERIALS WITH HIGH
RESOLUTION**

Inventor(s)
FORREST et al.

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

Date: 7/13/04

Signature: 
Thomas F. Meagher (Reg. No. 29,831)

1. In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and in conformance with the procedures of 37 C.F.R. §§ 1.97 and 1.98 and M.P.E.P. § 609, attorneys for Applicants hereby bring the following references to the attention of the Examiner. The references are listed on the attached modified PTO Form No. 1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.
2. Since the U.S. Patent and Trademark Office has waived the requirement under 37 C.F.R. § 1.98 (a)(2)(i) to submit a copy of each cited U.S. Patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003, copies of the U.S. patents and U.S. patent application publications listed on the modified PTO Form No. 1449 are not enclosed.
3. It is believed that no fees are due in connection with this Information Disclosure Statement. However, should any fees be due, the Commissioner is authorized to charge Deposit Account No. 11-0600 for such fees. A duplicate copy of this communication is enclosed for charging purposes.

Dated: 7/13/04

By: 

Thomas F. Meagher (Reg. No. 29,831)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
PTO-1449**

DOCKET NO.
10020/26301

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APPLICANT
FORREST et al.

FILING DATE
March 29, 2004

GROUP
Not Yet Assigned

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE
	6,596,443	July 22, 2003	Weaver et al.			
	6,214,631	April 1, 2001	Burrows et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
	Kurihara et al., "Microscale Fiber-Optic Chemical and Biochemical Sensors Based on NSOM Technology," Analytical Sciences, Vol. 17, pp. 1433-1436 (2001)
	Pflaum, J., et al., "Structure and electronic properties of CH ₃ - and CF ₃ -terminated alkanethiols: a scanning tunneling microscopy and x-ray scattering study," Surf. Sci., vol. 498, pp. 104-89 (2002)
	Forrest et al., "Ultra-thin Organic Films Grown by Organic Molecular Beam Deposition and Related Techniques," Chem. Rev., Vol. 97, p. 1793 (1997)
	Baldo et al., "Low Pressure Organic Vapor Phase Deposition of Small Molecular Weight Organic Light Emitting Device Structures," Appl. Phys. Lett., Vol. 71, pp. 3033-3035 (1997)
	Baldo, et al. "Organic Vapor Phase Deposition," Adv. Mater., Vol. 10, No. 8 (1998)
	Burrows, et al., "Organic Vapor Phase Deposition: A New Method for the Growth of Organic Thin Films with Large Optical Nonlinearities," J. Cryst. Growth, Vol. 156, pp. 9198-1328 (1995)
	Forrest et al., "Intense Second Harmonic Generation and Long-Range Structural Ordering in Thin Films of Organic Salt Grown by Organic Vapor Phase Deposition," Appl. Phys. Lett., Vol. 68, pp. 1326-1328 (1996)
	Shtein et al., "Material Transport Regimes and Mechanisms for Growth of Molecular Organic Thin Films Using Low-Pressure Organic Vapor Phase Deposition," J. Appl. Phys., Vol. 89, p. 1470 (2001)
	Vaeth et al., "Chemical Vapor Deposition of Poly (p-phenylene vinylene) Based Light Emitting Diodes with Low Turn-on Voltages," Appl. Phys. Lett., Vol. 71, pp. 2091-2993 (1997)
	Shtein et al., "Effects of Film Morphology and Gate Dielectric Surface Preparation on the Electrical Characteristics of Organic Vapor Phase Deposited Pentacene Thin-Film Transistors," Appl. Phys. Lett., Vol. 81, pp. 268-270 (2002)
	Dodabalapur et al., "Organic Field-Effect Bipolar Transistors," Appl. Phys. Lett., Vol. 68, pp. 1108-1110 (1996)

EXAMINER INITIAL	JUL 15 2004	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
		Lin et al., "Hole injection and transport in tris-(8 hydroxyquinolino) aluminum," Appl. Phys. Lett., Vol 70, pp. 2052-2054 (1997)
		Gao et al., "Controlled p-type doping of an organic molecular semiconductor," Appl. Phys. Lett., Vol. 79, pp. 4040-4042 (2001)
		Delhaes, "From molecular structures to solid state properties in π charge transfer salts," NATO ASI Series, Series C: Mathematical and Physical Sciences, Vol. 456, p. 333 (1995)
		Kobayashi et al., "Organic Superconductors/Semiconductors/CT salts," Current Opinion in Solid State & Materials Science, Vol. 2, p. 440 (1997)
		Cohen et al., "Electrical conductivity of tetrathiofulvalinium tetracyanoquinodimethan (TTF) (TCNQ)," Phys. Rev. B., Vol. 10, p. 1298 (1974)
		Pfeiffer et al., "Electrophosphorescent p-i-n organic light emitting devices for very high efficiency flat panel displays," Adv. Mat., 2002
		Chaudari et al., "Characterization of epitaxially grown films of (TTF) (TCNQ)," Appl. Phys. Lett., Vol. 24, pp. 439-442 (1974)
		Figueras et al., "TTF-TCNQ thin films grown by Organic CVD: Texture and transport properties," Synthetic Met., Vol 102, pp. 1611-1612 (1999)
		Sumimoto et al., "Formation of TTF-TCNQ charge-transfer complex in co-evaporated films," Synthetic Metals, Vol. 70, pp. 1251-1252 (1995)
		M. Goto, et al., "Laser-induced implantation of organic molecules into sub-micrometer regions of polymer surfaces", Appl. Phys. A Materials Science & Processing, pp. S257-S261, 1999.
		M. Goto, et al., "Laser expulsion of an organic molecular nanojet from a spatially confined domain", Journal of Applied Physics, Volume 90, Number 9, pp. 4755-4760, November 1, 2001.

EXAMINER	/Yewebdar T Tadesse/	DATE CONSIDERED 07/01/2008
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		